Figure 3-3: Example
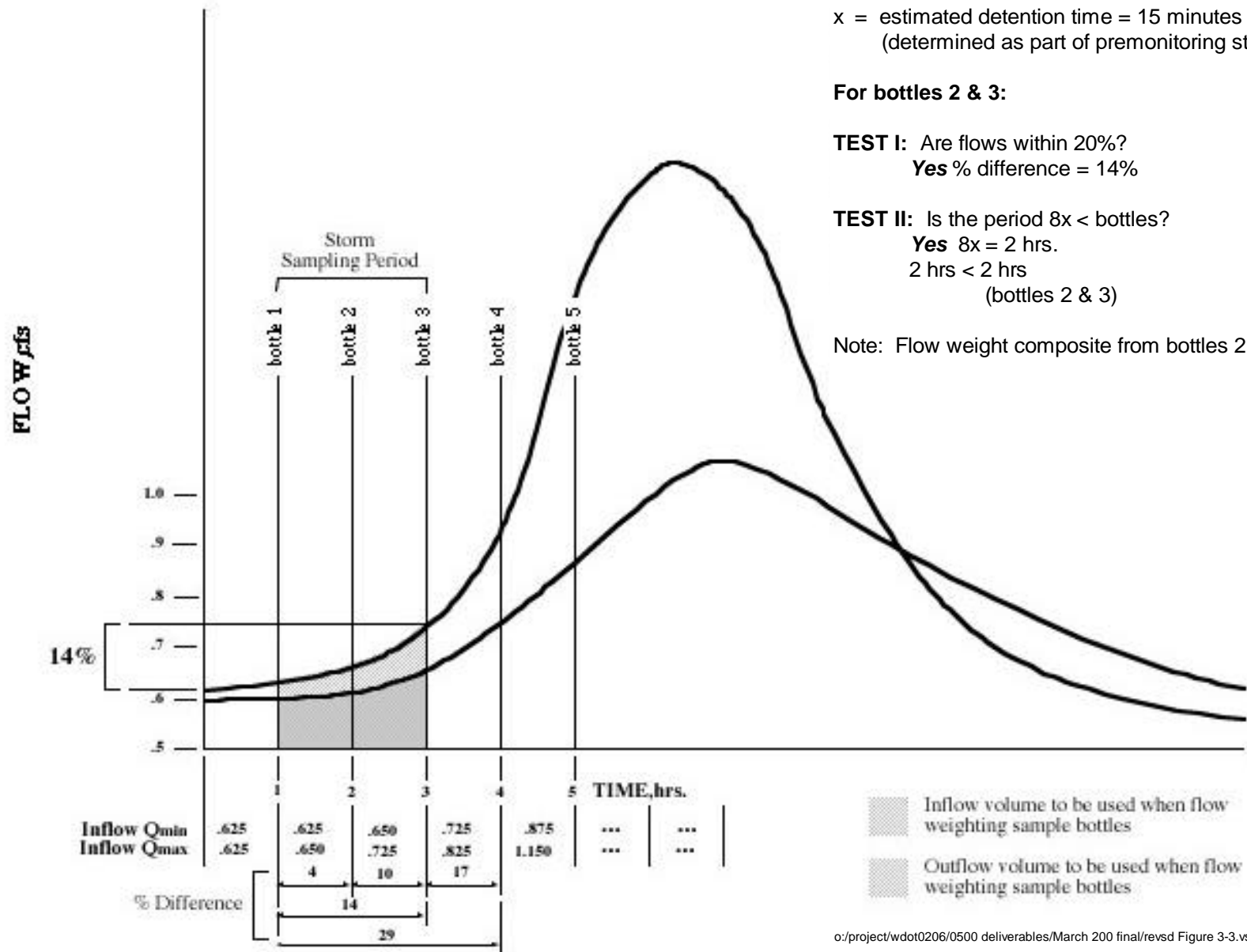

Assume

x = estimated detention time = 15 minutes
   (determined as part of premonitoring study)

For bottles 2 & 3:

TEST I: Are flows within 20%?
   Yes % difference = 14%

TEST II: Is the period 8x < bottles?
   Yes 8x = 2 hrs.
   2 hrs < 2 hrs
      (bottles 2 & 3)

Note: Flow weight composite from bottles 2 & 3.

FLOW cfs

Storm
Sampling Period

bottle 1   bottle 2   bottle 3   bottle 4   bottle 5

1.0
.9
.8
.7
.6
.5

14%

1   2   3   4   5   TIME,hrs.

Inflow Qmin	.625	.625	.650	.725	.875	...	...
Inflow Qmax	.625	.650	.725	.825	1.150	...	...
		4	10	17			
% Difference			14				
			29				

Inflow volume to be used when flow weighting sample bottles

Outflow volume to be used when flow weighting sample bottles

o:/project/wdot0206/0500 deliverables/March 200 final/revsd Figure 3-3.vsd